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Sequence Listing could not be accepted due to errors.

See attached Validation Report.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Keisha Douglas

Timestamp: [year=2010; month=10; day=29; hr=11; min=21; sec=9; ms=216;]

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Reviewer Comments:

<210> 10

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> phage clone segment

<400> 7

Cys Gln Ala Gln Gly Gln Leu Val Cys

1

5

Per the above, please correct the above invalid <211> response. There are a total of (9) proteins appearing in the sequence, not (7). Please also correct the above invalid <400> response to 10. Please also correct the remaining sequences showing similar errors.

Application No: 10527832 Version No: 2.0

Input Set:

Output Set:

Started: 2010-10-20 16:02:48.021
Finished: 2010-10-20 16:02:49.063
Elapsed: 0 hr(s) 0 min(s) 1 sec(s) 42 ms
Total Warnings: 11
Total Errors: 1
No. of SeqIDs Defined: 13
Actual SeqID Count: 13

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
E 331	Count of Protein differs from the <211> tag Input: 7 Calculated:
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 213	Artificial or Unknown found in <213> in SEQ ID (13)

SEQUENCE LISTING

<110> Cornell Research Foundation

<120> Homing Peptides to Receptors of Heart Vasculature

<130> 955-39 PCT US

<140> 10527832

<141> 2005-09-19

<150> US 60/412,330

<151> 2002-09-19

<150> PCT/US03/29379

<151> 2003-09-18

<160> 13

<170> PatentIn version 3.1

<210> 1

<211> 7

<212> PRT

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<223> Homing peptide to heart vasculature

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> X is Q or E

<400> 1

Gln Ala Xaa Gly Gln Leu Val

1 5

<210> 2

<211> 7

<212> PRT

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<223> Homing peptide to heart vasculature

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> X is R or W

<400> 2

Gly Xaa Arg Phe Ile Arg Val
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<210> 3

<211> 7

<212> PRT

<213> Artificial sequence

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<223> Homing peptide to heart vasculature

<400> 3

Gln Ala Gln Gly Gln Leu Val
1 5

<210> 4

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Homing peptide to heart vasculature

<400> 4

Ala Arg Arg Gly Gln Ala Val
1 5

<210> 5

<211> 7

<212> PRT

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<223> Homing peptide to heart vasculature

<400> 5

Gly Arg Arg Phe Ile Arg Val
1 5

<210> 6

<211> 152

<212> PRT

<213> Homo sapiens

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Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Val Ala Asn Pro Gln
1 5 10 15

Ala Glu Gly Gln Leu Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu
20 25 30

Ala Asn Gly Val Glu Leu Arg Asp Asn Gln Leu Val Val Pro Ser Glu
35 40 45

Gly Leu Tyr Leu Ile Tyr Ser Gln Val Leu Phe Lys Gly Gln Gly Cys
50 55 60

Pro Ser Thr His Val Leu Leu Thr His Thr Ile Ser Arg Ile Ala Val
65 70 75 80

Ser Tyr Gln Thr Lys Val Asn Leu Leu Ser Ala Ile Lys Ser Pro Cys
85 90 95

Gln Arg Glu Thr Pro Glu Gly Ala Glu Ala Lys Pro Trp Tyr Glu Pro
100 105 110

Ile Tyr Leu Gly Gly Val Phe Gln Leu Glu Lys Gly Asp Arg Leu Ser
115 120 125

Ala Glu Ile Asn Arg Pro Asp Tyr Leu Leu Phe Ala Glu Ser Gly Gln
130 135 140

Val Tyr Phe Gly Ile Ile Ala Leu
145 150

<210> 7
<211> 119
<212> PRT
<213> Homo sapiens

<400> 7

His Ser Asp Pro Ala Arg Arg Gly Gln Leu Ser Val Cys Asp Ser Ile
1 5 10 15

Ser Glu Trp Val Thr Ala Ala Asp Lys Lys Thr Ala Val Asp Met Ser
20 25 30

Gly Gly Thr Val Thr Val Leu Glu Lys Val Pro Val Ser Lys Gly Gln
35 40 45

Leu Lys Gln Tyr Phe Tyr Glu Thr Lys Cys Asn Pro Met Gly Tyr Thr

50

55

60

Lys Glu Gly Cys Arg Gly Ile Asp Lys Arg His Trp Asn Ser Gln Cys
65 70 75 80

Arg Thr Thr Gln Ser Tyr Val Arg Ala Leu Thr Met Asp Ser Lys Lys
85 90 95

Arg Ile Gly Trp Arg Phe Ile Arg Ile Asp Thr Ser Cys Val Cys Thr
100 105 110

Leu Thr Ile Lys Arg Gly Arg
115

<210> 8

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Homing peptide to heart vasculature

<400> 8

Gln Ala Glu Gly Gln Leu Val
1 5

<210> 9

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Homing peptide to heart vasculature

<400> 9

Gly Trp Arg Phe Ile Arg Val
1 5

<210> 10

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> phage clone segment

<400> 7

Cys Gln Ala Gln Gly Gln Leu Val Cys
1 5

<210> 11
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> TNF alpha segment

<400> 10

Asn Pro Gln Ala Glu Gly Gln Leu Gln Val
1 5 10

<210> 12
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> phage clone segment

<400> 9

Cys Ala Arg Arg Gly Gln Ala Val Cys
1 5

<210> 13
<211> 9
<212> PRT
<213> Artificial sequence

<220>
<223> BDNF segment

<400> 9

Asp Pro Ala Arg Arg Gly Gln Leu Ser
1 5